| Ind | ex o | f Cla | ims |
|-----|------|-------|-----|
|     |      |       |     |

Application/Control No.

Applicant(s)/Patent under Reexamination

10/051,635

DELEGGE, RONALD L.

Examiner

Art Unit

Ramsey Refai

2154

| 1 | Rejected |
|---|----------|
|   | Allowed  |

(Through numeral) Cancelled Restricted

Non-Elected Ν

Interference

Appeal Α 0 Objected

|             |  | ш  |          |              |                |              |  | ,  |              |  |
|-------------|--|--|----------|--------------|----------------|--------------|--|--|--------------|--|
| Cla         |  |  |          |              |                | Date         | _  |  |              | _  |
| Cic         |  | Н  |          |              |                | Jale         | ;  |  | _            | -  |
| Final       | Original   | 6/10/05  |          |              |                |              |  |  | - 0          |  |
|             | 1  | 1  |          |              |                |              |  |  |              | $\neg$   |
| -           | 2  | 7  |          |              | $\neg$         |              |  |  |              | $\dashv$   |
|             | 3  | 7  |          |              |                |              |  | _  |              | $\neg$   |
|             | 1<br>2<br>3<br>4   | 1  |          |              |                |              |  |  |              | $\Box$   |
|             | 5  | 1  |          |              |                |              |  |  |              |  |
|             | 6  | 1  |          |              |                |              |  |  |              |  |
|             | 6<br>· 7   | 1  |          |              |                |              |  |  |              |  |
|             |  | <b>V</b>   |          |              |                |              |  |  |              |  |
|             | 8 9  | 1  |          |              |                |              |  |  |              |  |
|             | 10   | 4  |          |              |                |              |  |  |              |  |
|             | 11   | V  |          |              |                |              |  |  |              |  |
|             | 12   | 1  |          |              |                |              |  |  |              |  |
| L           | 11<br>12<br>13<br>14<br>15<br>16<br>17<br>18<br>19<br>20<br>21<br>22<br>23 | <  |          |              | Ш              | Ш            |  | L!   |              |  |
| L           | 14   | 1  |          |              |                |              |  | Ш  |              |  |
| <u> </u>    | 15   | 7 7 7  | L.       |              | Щ              |              |  | Ш  |              | Ш  |
|             | 16   | 1  | _        |              |                | Ш            |  |  |              |  |
| <u></u>     | 17   | 1  |          |              |                |              |  |  |              |  |
|             | 18   | 1  |          |              |                |              |  |  |              |  |
|             | 19   | 1  | <u>_</u> |              |                |              |  | <u> </u>   |              | L  |
|             | 20   | V  | _        |              | _              |              |  | _  |              |  |
|             | 21   |  | <u> </u> |              | Щ              |              |  | _  | _            | Ш  |
|             | 22   | <u> </u>   | <u> </u> | <u> </u>     | <u> </u>       |              | _  | <u> </u>   | _            |  |
|             | 23   | _  | <u> </u> | <u> </u>     | <u> </u>       |              | <u>.                                    </u> | ┝  |              | Ш  |
|             | 24<br>25   | -  | ├        | -            | -              | $\vdash$     | _  | ⊢  |              |  |
|             | 25   | ⊢  | ├        | -            | -              | $\vdash$     | $\vdash$                                     | ⊢  |              | -  |
|             | 26<br>27<br>28<br>29   | ┢  | ┝        | ┢╾           | -              | Н            |  | H  |              |  |
|             | 28   | ╁┈   | ┝        | $\vdash$     | $\vdash$       | H            | $\vdash$                                     | -  | -            | Н  |
|             | 29   | ╁  | ┢        | $\vdash$     | $\vdash$       |              | $\vdash$                                     | -  | _            | Н  |
|             | 30   | <del>                                     </del> | ┢        |              | H              |              | _  | <del>                                     </del> |              |  |
|             | 30<br>31   | ┢┈   | 1        | -            | ┢┈             | _            | H  |  |              | Н  |
|             | 32   | T  |          |              | ┪              |              |  |  |              |  |
|             | 32<br>33   |  |          |              | T              |              |  |  |              |  |
|             | 34   |  |          |              |                |              |  |  |              |  |
|             | 35   |  |          |              |                |              |  |  |              |  |
|             | 36   |  |          |              |                |              |  |  |              |  |
|             | 37   | 匚  |          |              |                |              |  |  |              |  |
|             | 38<br>39   | _  | _        |              |                |              | L_   | _  |              |  |
| <u> </u>    |  | <u> </u>   | L        | <u> </u>     | <u> </u>       | <u> </u>     | _  | <u> </u>   | $\vdash$     | lacksquare                                       |
| <u> </u>    | 40   | <b>├</b>   | _        | <b> </b>     | <u> </u>       | <u> </u>     | <u> </u>                                     | -  | <u> </u>     | _  |
|             | 41   | ⊢  | _        | <u> </u>     | -              | <u> </u>     |  |  |              | _  |
|             | 42   | ┼  | $\vdash$ | $\vdash$     | $\vdash$       | $\vdash$     | $\vdash$                                     | $\vdash$   | $\vdash$     | -  |
|             | 43   | ├-   | ├-       | <del> </del> | -              | ├-           | ⊢  | <del> </del>                                     | <u> </u>     | $\vdash$   |
|             | 44<br>45   | $\vdash$   | -        | <del> </del> | Ė              | <del> </del> | $\vdash$                                     | $\vdash$   | $\vdash$     | $\vdash$   |
|             | 45   | ├-   | -        | -            | <del> </del> — | -            |  | -  | ├-           | $\vdash$   |
|             | 46   | H  | ⊢        | $\vdash$     | $\vdash$       | $\vdash$     | $\vdash$                                     | $\vdash$   | ⊢            | ├─   |
| <del></del> | 48   | $\vdash$   | $\vdash$ | $\vdash$     | -              | ╁            | $\vdash$                                     | $\vdash$   | $\vdash$     | <del>                                     </del> |
| -           | 49   | $\vdash$   | ╁        | ╁            | -              |              | -  | -  | <del> </del> | ┢  |
|             | 50   | $\vdash$   | ├        |              | $\vdash$       |              | ⊢  | ├  | $\vdash$     | ╁╴   |

| Cla       | Date                       |          |          |  |  |  |  |            |  |  |
|-----------|----------------------------|----------|----------|--|--|--|--|------------|--|--|
|           |                            |          |          |  |  |  |  |            |  |  |
| <u>a</u>  | Original                   |          | -        |  |  |  |  |            |  |  |
| Final     | iĝi                        |          |          |  |  |  |  |            |  |  |
| , <u></u> | ō                          |          |          |  |  |  |  |            |  |  |
|           |                            | $\dashv$ | _        |  | -  | $\dashv$   | _  | _          | _  | -  |
| <u> </u>  | 51                         |          |          |  |  |  | _  | _          | Щ  |  |
|           | 52                         |          |          | Щ  | Щ  |  |  |            |  |  |
|           | 53<br>54                   |          |          |  |  |  |  |            |  |  |
|           | 54                         |          | _        |  |  |  |  |            |  |  |
|           | 55                         |          |          |  |  |  |  |            |  |  |
|           | 56<br>57                   |          |          |  |  |  |  |            |  |  |
|           | 57                         |          |          |  |  |  |  |            |  |  |
|           | 58                         |          |          |  |  |  |  |            |  |  |
|           | 58<br>59                   |          |          |  |  |  |  |            |  |  |
|           | 60                         |          |          |  |  |  |  |            |  |  |
|           | 61                         | $\vdash$ |          |  |  |  |  |            |  |  |
|           | 62                         | Н        | _        | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |            | Н  | Н  |
|           | 62<br>63                   | Н        |          | $\vdash$   | $\vdash$   | Н  | Н  | $\vdash$   | Н  | Н  |
| -         | 64                         | $\vdash$ |          |  | Н  | $\vdash$   |  | _          | -  | Н  |
|           | 64<br>65                   | $\vdash$ |          | H  |  | $\vdash$   |  |            | <u> </u>   | Н  |
|           | 65                         | Н        |          | $\vdash$   | $\vdash$   | Н  | -  |            |  | Н  |
| <b></b>   | 66                         | $\vdash$ |          | H  | H  | Щ  | _  | _          | $\vdash$   | Н  |
| -         | 67                         | _        |          | $\vdash$   |  |  |  |            |  | Н  |
| <u></u>   | 68                         |          |          | Щ  | Щ  |  |  |            |  |  |
| <u> </u>  | 69                         |          |          | 匚  |  | Ш  |  |            |  | L_   |
|           | 70                         |          |          | _  |  |  |  |            |  |  |
|           | 71                         |          |          |  |  |  |  |            |  |  |
|           | 72                         |          |          |  |  |  |  |            |  |  |
|           | 72<br>73<br>74             |          |          |  |  | ľ  |  |            |  |  |
|           | 74                         |          |          |  |  |  |  |            |  |  |
|           | 75<br>76<br>77<br>78<br>79 |          |          |  | Г  |  |  |            |  |  |
|           | 76                         |          |          |  |  |  |  |            |  |  |
|           | 77                         |          |          |  |  |  |  |            | _  |  |
| <b>—</b>  | 78                         |          | _        |  | 一  |  |  | _          | $\vdash$   |  |
| <u> </u>  | 70                         | -        | -        | -  | ┢  |  | _  | _          | $\vdash$   |  |
| <u> </u>  | 80                         | H        | -        |  | -  | -  |  | $\vdash$   | $\vdash$   | _  |
|           | 81                         | H        | $\vdash$ | -  |  |  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   |
|           | 01                         | H        | _        |  | <u> </u>   | $\vdash$   | _  | _          | ⊢  | H  |
| -         | 82                         |          | _        | -  | ⊢  |  |  | _          | -  | _  |
| ⊢—        | 83                         | <u> </u> | <u> </u> | $\vdash$   | $\vdash$   | <u> </u>   | <u> </u>   | -          | <u> </u>   |  |
|           | 84                         | _        | <u> </u> | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | _  |
| <u> </u>  | 85                         | <u> </u> | _        | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | <b> </b>   |  |
|           | 86                         | _        | <u> </u> | ┞  | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | <u> </u>   | _  |
|           | 87                         | L        | _        | _  |  | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              | _          | $\vdash$   | Ш  |
| <u></u>   | 88                         |          | L        | <u>L</u>   | <u> </u>   | $ldsymbol{ldsymbol{ldsymbol{eta}}}$              |  | <u> </u>   | <u> </u>   | Щ  |
|           | 89                         |          | L        | L  | L  | L  |  |            | _  |  |
|           | 90                         |          |          |  |  |  |  | Ĺ          | L  |  |
|           | 91                         |          |          | Π  |  |  |  | _          |  |  |
|           | 92                         |          |          |  |  | Г  |  |            |  |  |
|           | 93                         | Г        |          |  |  |  |  | Г          |  | Г  |
|           | 94                         | $\vdash$ | <u> </u> | <del>                                     </del> | <del>                                     </del> | t  | $\vdash$   |            | T  | T  |
| <b></b>   | 95                         | _        | $\vdash$ | ✝  | $\vdash$   | $\vdash$   | $\vdash$   | $\vdash$   | <del>                                     </del> | <del>                                     </del> |
| $\vdash$  | 96                         | $\vdash$ | $\vdash$ | $\vdash$   | $\vdash$   | <del>                                     </del> | <del>                                     </del> | $\vdash$   | $\vdash$   | $\vdash$   |
| <u> </u>  | 97                         | ╁        | ├        | $\vdash$   | $\vdash$   | $\vdash$   | ┢  | $\vdash$   | ┢  | -  |
|           |                            | $\vdash$ | ├        | $\vdash$   | $\vdash$   | $\vdash$   | <del> </del> —                                   | -          | <del> </del> —                                   | $\vdash$   |
| -         | 98                         | <u> </u> | <u> </u> | -  | <u> </u>   | ├_   | <del> </del>                                     | <b> </b> — | <del> </del>                                     | Н—   |
|           | 99                         |          | <u> </u> | <u></u>  | <u></u>  | _  | L_   | _          | _  | <u>_</u>   |

100

| CI       | aim  | Date     |          |  |              |          |              |          |                |          |
|----------|--|----------|----------|--|--------------|----------|--------------|----------|----------------|----------|
|          | 1  |          |          |  | ٦            |          |              |          |                |          |
| Final    | Original   |          |          |  |              |          |              |          |                |          |
|          | 101<br>102   |          |          |  |              |          |              |          |                |          |
|          | 102  |          |          |  |              |          |              |          |                |          |
|          | 103  |          |          | Ш  |              |          |              |          |                | _        |
|          | 103<br>104<br>105                                    | _        |          |  |              | _        |              |          |                | _        |
|          | 105  | _        |          | Ш  |              |          |              |          | _              | $\dashv$ |
|          | 106<br>107   | _        | _        | Н  |              |          |              |          |                | Н        |
| <u> </u> | 107  |          | _        | -  |              | _        |              |          | _              | _        |
| <u> </u> | 108  |          | -        | -  |              |          |              | _        | _              | $\dashv$ |
| $\vdash$ | 109<br>110   | -        | -        | $\vdash$   | _            |          | _            | _        | -              | $\dashv$ |
| -        | 111  |          | -        | -  | _            |          |              | _        | $\vdash$       | $\dashv$ |
| <b></b>  | 111<br>112<br>113                                    |          | $\vdash$ | Н  |              | Н        |              | Г        |                | $\dashv$ |
|          | 113  | <u> </u> | _        |  |              | П        |              |          |                | $\sqcap$ |
|          | 114  |          |          |  |              |          |              |          |                |          |
|          | 114<br>115   |          |          |  |              |          |              |          |                |          |
|          | 116  | _        |          |  |              |          |              |          |                |          |
|          | 117<br>118   | _        |          |  |              |          |              |          |                |          |
|          | 118  | _        |          |  |              |          |              | L.       |                | Щ        |
|          | 119<br>120<br>121                                    | <u> </u> | _        |  | _            |          |              | _        | _              |          |
| <u> </u> | 120  | <u> </u> | ┡        |  | <u> </u>     | _        | _            | <u> </u> | <u> </u>       |          |
|          | 121  | <u> </u> | _        | <b></b>  | <u> </u>     | <u> </u> | <u> </u>     | -        | -              | Н        |
| <u> </u> | 122  | ⊢        | ⊢        | $\vdash$   | <u> </u>     | -        | <u> </u>     |          | <del>  -</del> | $\dashv$ |
| <u> </u> | 123  | $\vdash$ | -        | $\vdash$   | -            | -        | _            | ├-       | ⊢              | $\dashv$ |
| ├        | 125  | -        | $\vdash$ | H  | -            | ┝        | _            | ┢        | -              | Н        |
|          | 126  |          | H        | H  | ┢            | 1        | $\vdash$     | $\vdash$ |                |          |
|          | 122<br>123<br>124<br>125<br>126<br>127<br>128<br>129 | _        | Т        |  | _            | ┢        |              | H        |                |          |
|          | 128  |          | П        |  |              |          |              |          |                |          |
|          | 129  |          |          |  |              |          |              |          |                |          |
|          | 130<br>131   |          |          |  |              |          |              |          |                |          |
|          | 131  | L        | L        |  | <u> </u>     |          |              |          | L              |          |
| <u> </u> | 132  | _        | ᆫ        | <u> </u>   | <u> </u>     | ᆫ        | <u> </u>     |          |                |          |
| <u> </u> | 133<br>134   | _        | _        | <u> </u>   | $\vdash$     | <u> </u> | <u> </u>     | <u> </u> | <del> </del>   | Н        |
|          | 134  | $\vdash$ | $\vdash$ | -  | ├-           | -        | $\vdash$     | $\vdash$ | -              | Н        |
| <u> </u> | 135  | $\vdash$ | -        | -  | <del> </del> | -        | $\vdash$     | $\vdash$ | -              | $\vdash$ |
| $\vdash$ | 136<br>137   | ⊢        | -        | ╁  | $\vdash$     | $\vdash$ | $\vdash$     | -        | -              | ⊦⊣       |
| <b></b>  | 138  |          | $\vdash$ | ⊢  | $\vdash$     | ⊢        | <del> </del> | -        | -              | H        |
| $\vdash$ | 139  | $\vdash$ | -        | <del>                                     </del> | $\vdash$     | $\vdash$ | $\vdash$     | H        |                | Н        |
|          | 140  | t        |          | T  |              |          | ┢            |          | $\vdash$       | Н        |
| <u> </u> | 141  | $I^-$    | Π        | $\vdash$   | $\vdash$     | Τ        | <u> </u>     | Γ        | Г              | М        |
|          | 142  |          |          |  |              |          |              |          |                |          |
|          | 143  |          |          |  |              |          |              |          |                |          |
|          | 144  |          |          |  |              | ·        | 匚            |          | 匚              |          |
| <u> </u> | 145  | _        | <u>L</u> |  | _            |          | L            | L        | _              | Ш        |
|          | 146  |          | _        | <u>L</u>   | _            | <u> </u> | <u>L</u>     | _        | _              | Ш        |
| <u> </u> | 147  | <u> </u> | $\vdash$ | $\vdash$   | <u> </u>     | <u> </u> | <u> </u>     | $\vdash$ | <b>—</b>       |          |
| <b> </b> | 148  | <u> </u> | $\vdash$ | ⊢  | ⊢            | ⊢        | <u> </u>     | _        | ├-             | $\sqcup$ |
| <u> </u> | 149  | <b>!</b> | -        | ├-   | _            | _        | <del> </del> | _        | ├              | $\vdash$ |
| L        | 150  | L.       | Ц.       | Щ.   | L_           | Щ.       |              | L_       | <u> </u>       | <u> </u> |